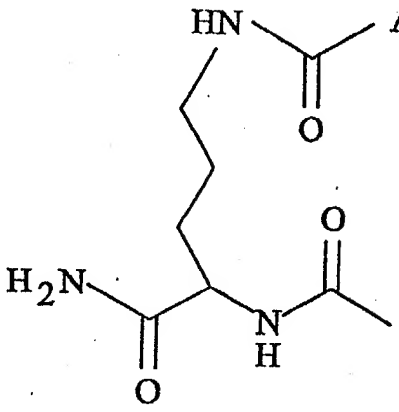
Bis-Arg Helix #2



Ala-Arg-Ala-Ala-Arg-Arg-Ala-Ala-Arg-Ala-Ala-Ala-Arg-Arg-Ala-Arg-Ala-Glu-Ala-R_1

Ala-Arg-Ala-Ala-Arg-Arg-Ala-Ala-Arg-Ala-Ala-Ala-Arg-Arg-Ala-Arg-Ala-Glu-Ala-R_2

Arg Helix #2

R1-Ala-Glu-Ala-Arg-Ala-Arg-Arg-Ala-Ala-Ala-Arg-Ala-Ala-Arg-Arg-Ala-Ala-Arg-Ala-C(O)OH

Fig. 1A

Tris-Arg Helix #3

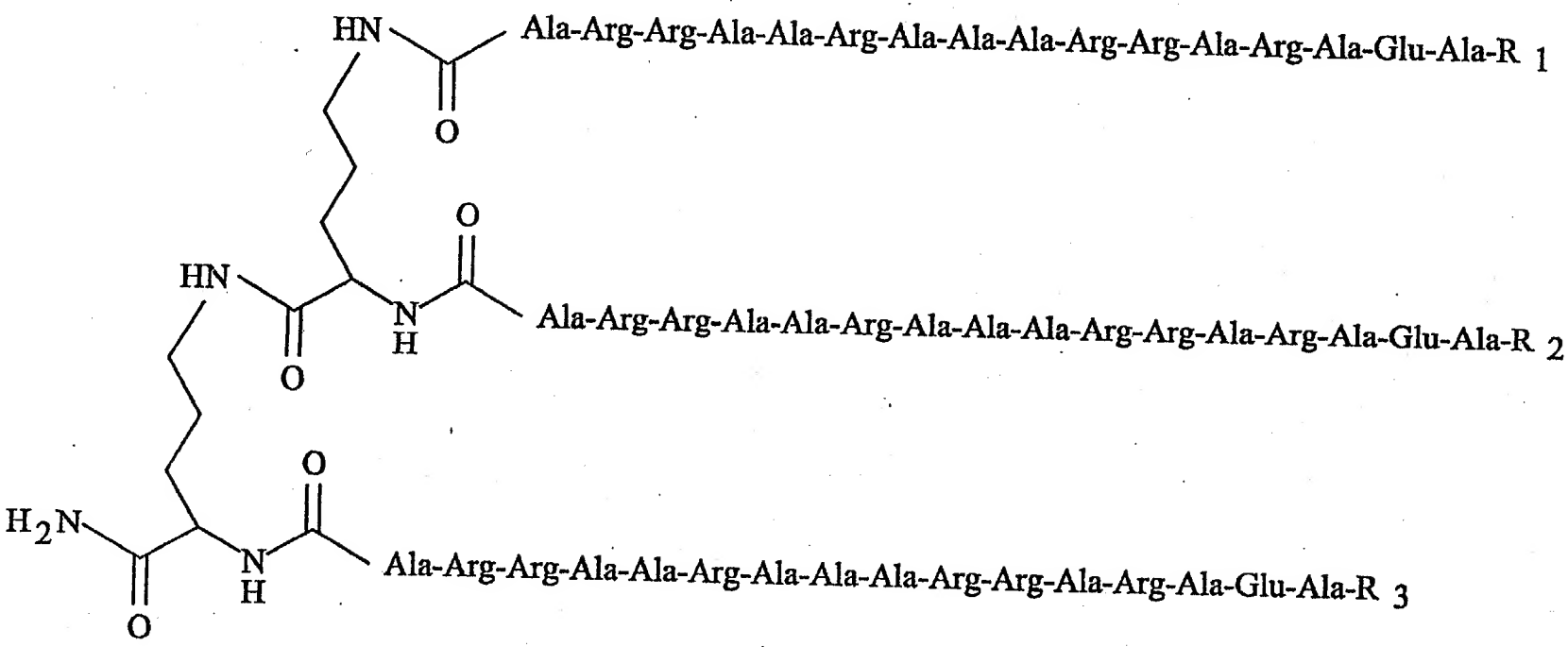
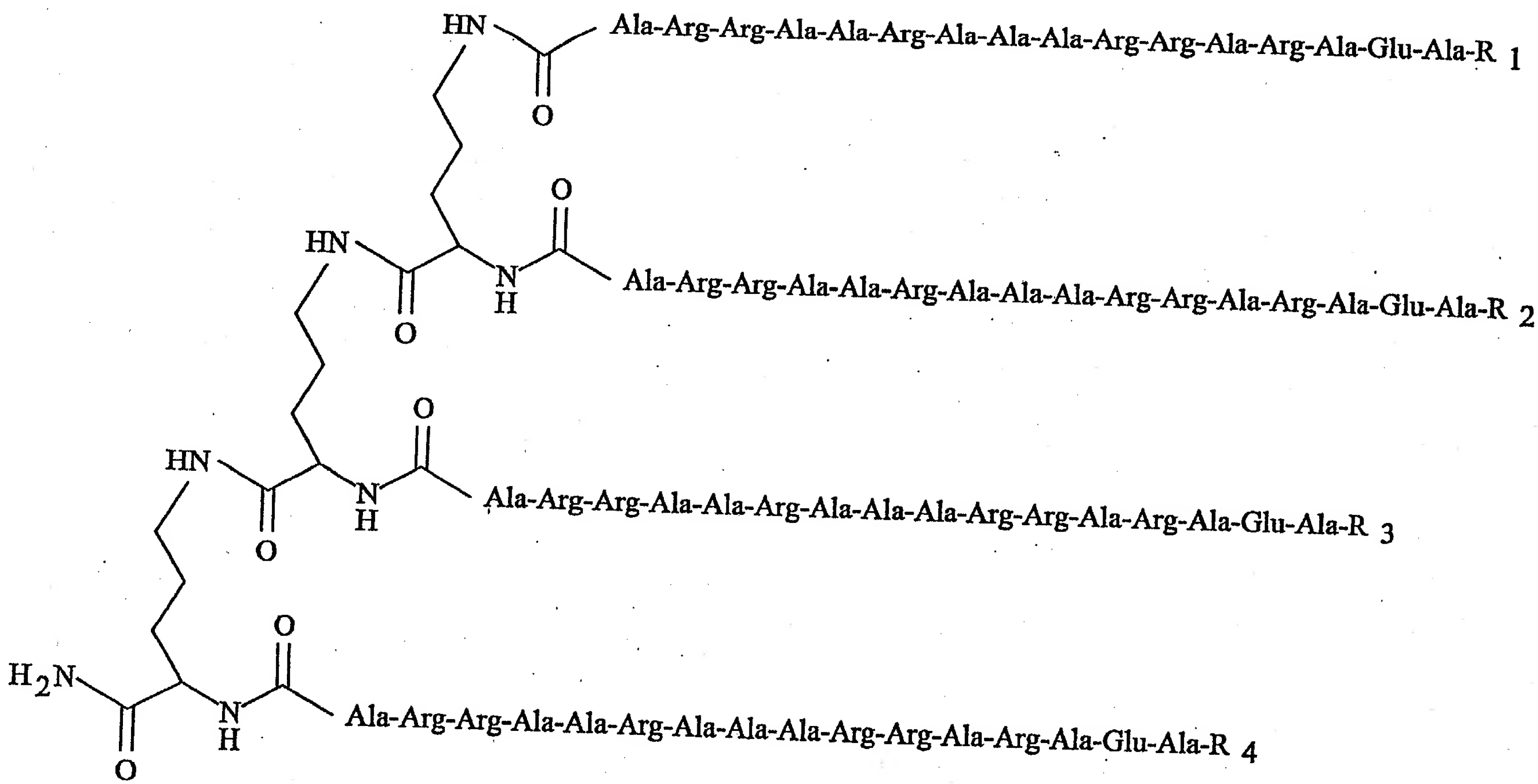


Fig. 1B

"T0HT20" T6950660"

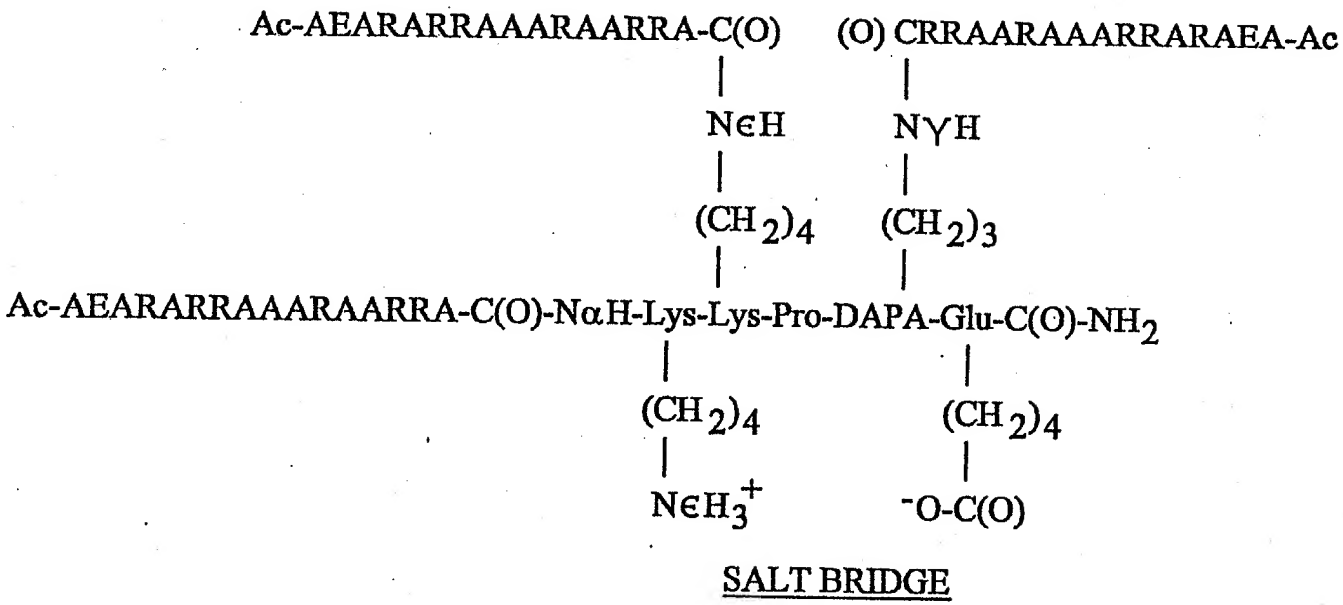
Tetra-Arg Helix #3



R_1,R_2,R_3, and R_4 may be either succinyl or acetyl.

Fig. 1C

STRUCTURE OF TRIS-ARG HELIX #3 - CONSTRAINED SINGLE LETTER AMINO ACID ABREVIATIONS



SALT BRIDGE

DAPA = 2, 3-DIAMINOPROPIONIC ACID
ARG HELIX #3 = Ac-AEARARRRAAARAARRA-C(O)

Fig. 2

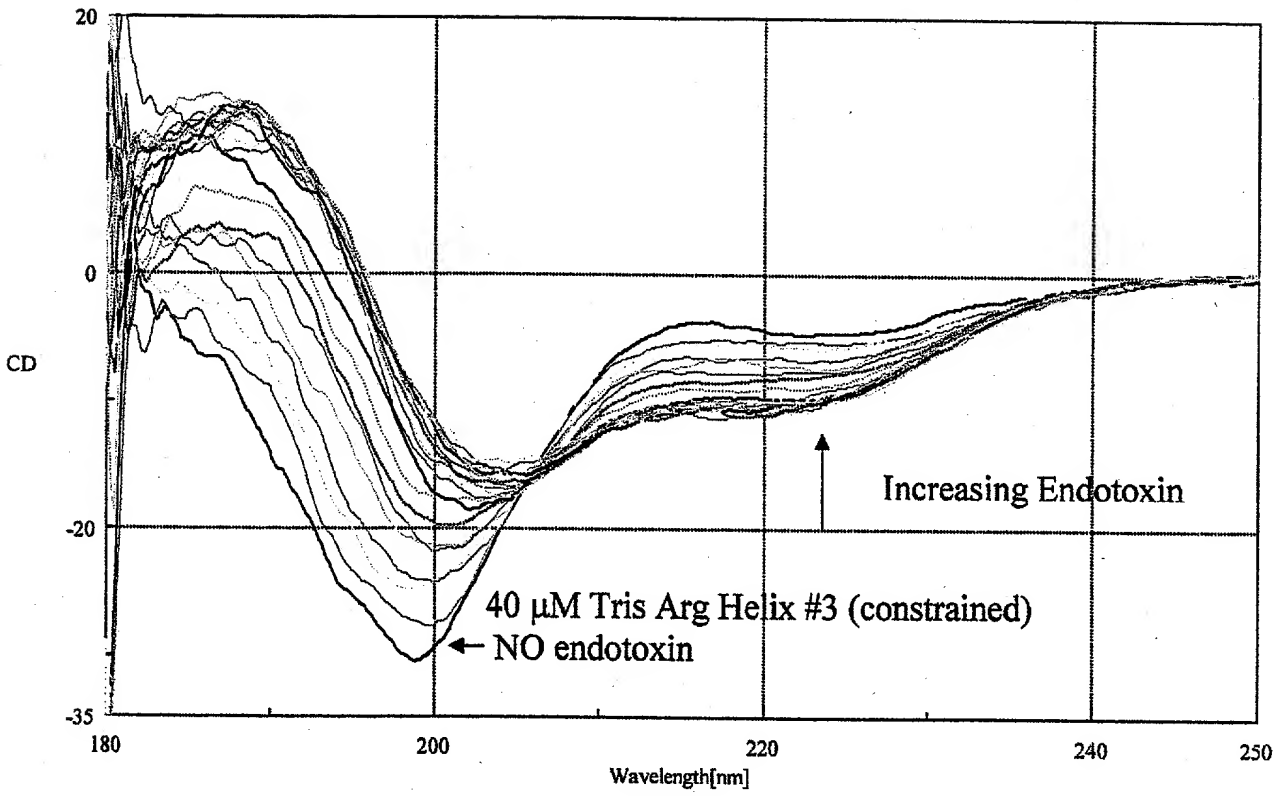

20
0
-20
-35
CD
180
200
220
240
250
Wavelength[nm]
Increasing Endotoxin
40 µM Tris Arg Helix #3 (constrained)
← NO endotoxin

Fig. 3

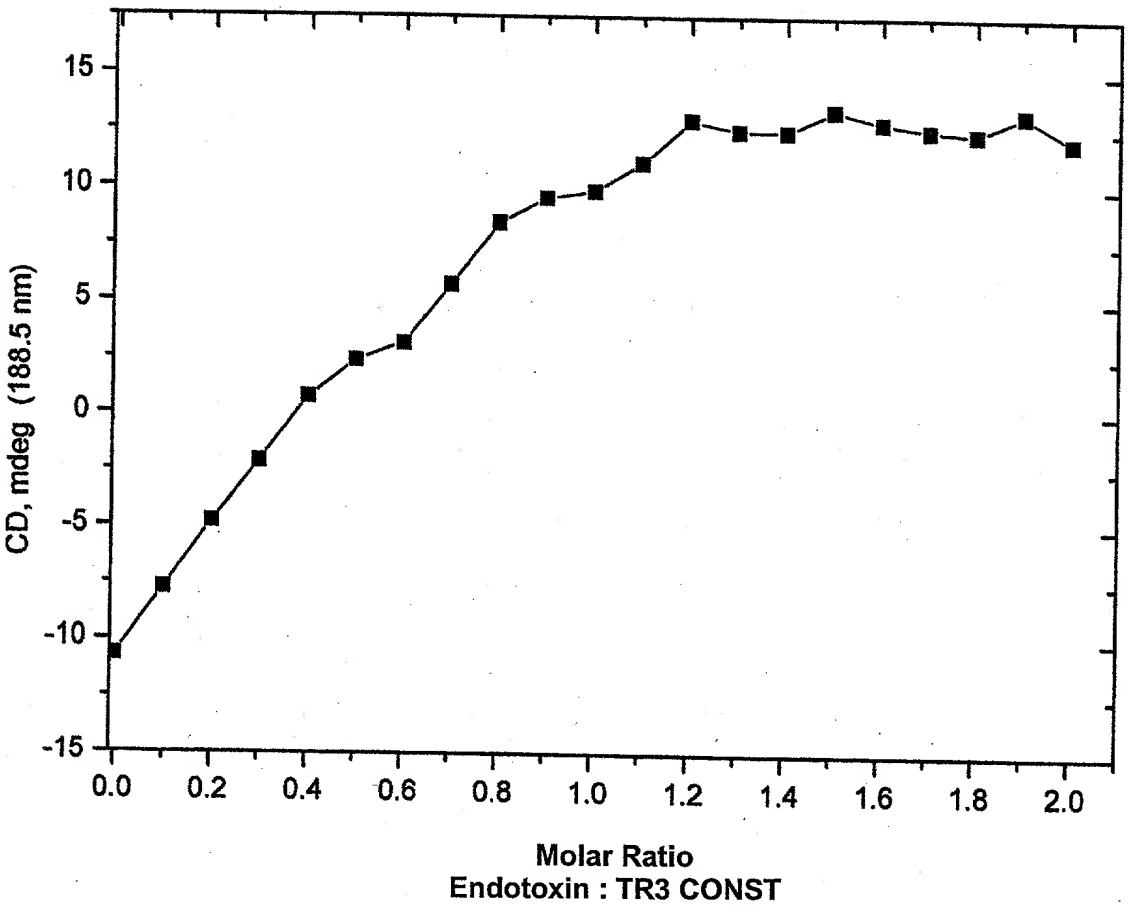

15
10
5
0
-5
-10
-15
CD, mdeg (188.5 nm)
0.0
0.2
0.4
0.6
0.8
1.0
1.2
1.4
1.6
1.8
2.0
Molar Ratio
Endotoxin : TR3 CONST

Fig. 4

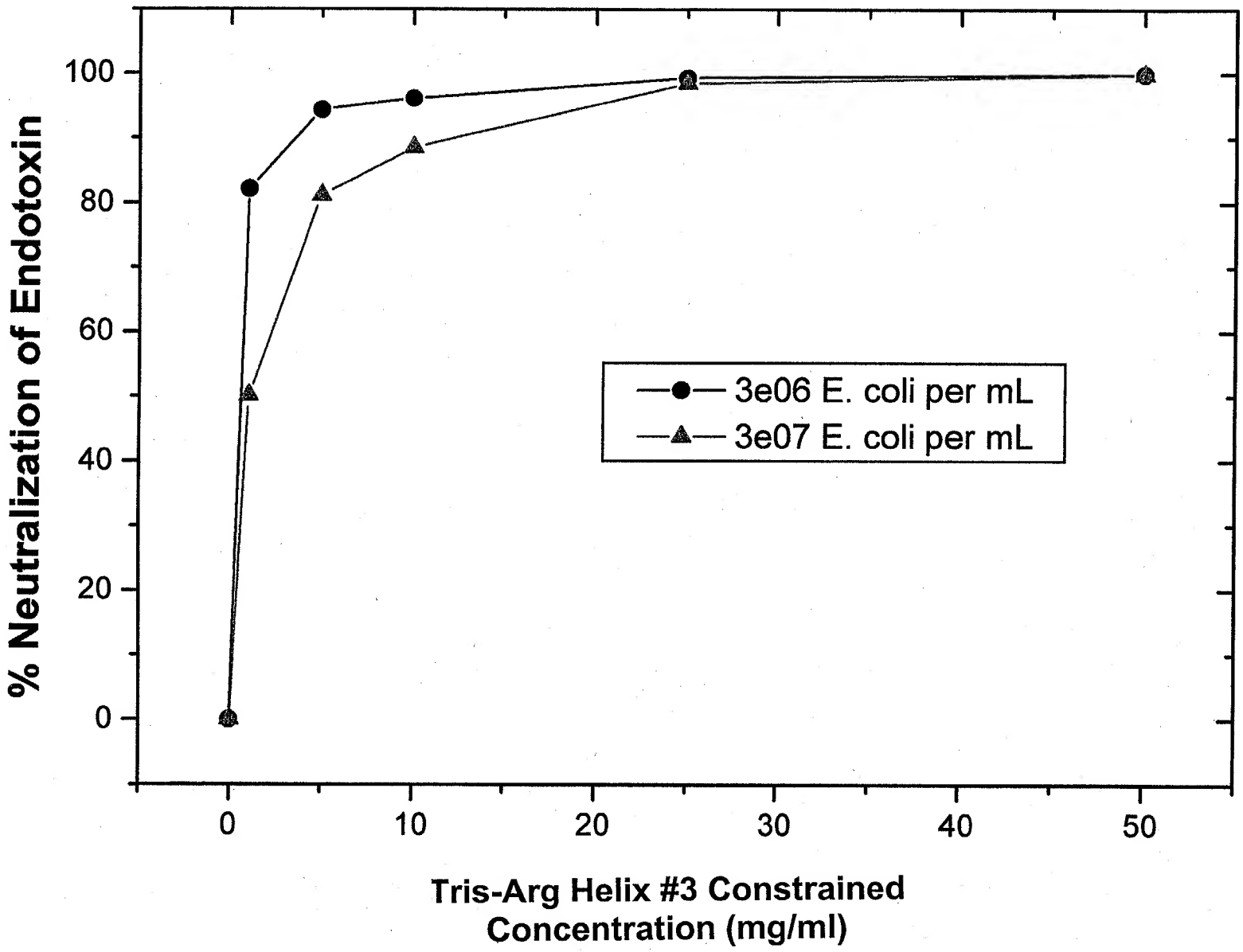


Fig. 5